

Summary of Major Changes to Specifications 500 Subcommittee

Item 500, “Mobilization”

None

Item 502, “Barricades, Signs and Traffic Handling”

None

Item 504, “Facilities for Field Office and Laboratory”

1. Added requirements for licensed electrician as indicated in Metric Special Provision 008-113 and English Special Provision 008-202.
2. Added requirements for phone and computer equipment.

Item 506 “Temporary Erosion, Sedimentation, and Environmental Controls” – (New Specification)

1. The combination of previous special specifications (5004, 5005, 5006, 5007, 5008, 5010, 5012, 5013, and 5014).
2. Changes made to “Payment” to maintain, remove, and replace devices.

Item 508, “Constructing Detours”

1. Includes “maintenance” in accordance with Items 4 & 7

Item 510, “One-Way Traffic Control”

1. Require the contractor to furnish certified flaggers, in accordance with the requirements of Item 502, “Barricades, Signs and Traffic Handling”.

Item 512, “Portable Concrete Traffic Barrier”

1. Includes “Qualification Procedure (DMS-7350)” for multi-project precasters
2. Includes fabrication tolerances
3. Change to bid item descriptions.

Item 514, “Permanent Concrete Traffic Barrier”

1. Includes “Qualification Procedure (DMS-7350)” for multi-project precasters
2. Includes fabrication tolerances
3. Change to bid item descriptions.

Item 520, “Weighing and Measuring Equipment”

1. Removed the reference to the National Institute of Standards and Technology Handbook 112, as this document could not be found and all references needed are contained in Handbook 44.
2. Modified to cover strictly weighing and measuring equipment. These are the scales and meters that register the weights and volumes of materials.
3. Removed all references to concrete batching equipment, as this will be handled in concrete items.
4. Removed all the references to hot mix plant equipment, as this will be handled in Item 320.

5. Added requirement for greater accuracy of asphaltic materials meter if it is used for payment purposes.
6. Added section for particulate and slurry meters to address dry lime, mineral filler, and lime slurry.

Item 522, “Portland Cement Concrete Plants”

This specification was combined with the 400 Items”

Item 524, “Hydraulic Cement”

This specification was move to the 400 Items (Item 421)”

Item 526, “Membrane Cure”

This specification was deleted”

Item 528, “Color-Textured Concrete and Landscape Pavers” – (New Specification)

1. New specification incorporating Special Specification 5019, 5788, and 5559

Item 529, “Concrete Curb, Gutter and Combined Curb and Gutter”

None

Item 530, “Driveways and Turnouts”

None

Item 531, “Sidewalks”

1. Includes “Pedestrian Ramps”

Item 532, “Concrete Erosion Retards”

This specification was deleted”

Item 533, “Shoulder Texturing” – (New Specification)

1. Includes all items contained in Special Specifications 5404, 5405, and 5406.
2. Measures by the 100-ft. station.

Item 534, “Structure Approach Slabs”

This specification was deleted”

Item 536, “Concrete Median and Directional Islands”

None

Item 538, “Right of Way Markers”

1. Deleted precast option.
2. TxDOT will place the right-of-way location punch marks.

Item 540, “Metal Beam Guard Fence”

1. Includes “Replacement” & “Adjustment”
2. Includes “Transitions”.

3. Incorporated materials requirements into Department Materials Specifications (DMS).
4. Added rectangular wood posts as an option with the existing round wood posts and the steel posts.
5. Allows for composite blocks.
6. Added existing special provision requirement for permanently marked curved rail elements with the radius dimension.
7. Added a measurement and payment item for Metal Beam Guard Fence Transitions.
8. Includes requirements for curbs.

Item 542, “Removing Metal Beam Guard Fence”

None

Item 544, “Guardrail End Treatments” – (New Specification)

7. Allows for a generic specification description with the actual end treatment designated by the details shown in the plans.
8. Allows for materials to be furnished by both the Contractor and by the Department.

Item 545 “Crash Cushion Attenuators” – (New Specification)

1. Allows for a generic specification description with the actual attenuators designated by the details shown in the plans.
2. Allows for materials to be furnished by both the Contractor and by the Department.

Item 550, “Chain Link Fence”

1. Deletes references to C-section line posts, square sections for terminal and gate posts, and H-beam sections for posts.
2. Includes material requirements for PVC coating.
3. Bid Items cover Install, Repair, and Remove

Item 552, “Wire Fence”

1. Deleted reference to mesquite posts.
2. Removal will be subsidiary.

Item 556, “Pipe Underdrains”

1. Included requirements of Special Provision for Table 2.
2. Added riprap option.
3. Included trench protection information

Item 560, “Mailbox Assemblies”

None

Item 575, “Epoxy”

This specification was deleted”

Item 580, “Project Maintenance”

This specification was moved to the 700 Items”

Item 585, “Ride Quality for Pavement Surfaces”

- 1.** This Item is similar to the current Special Specification 5880, with the following changes.
- 2.** The penalty for localized roughness is \$500, \$250, and \$0 for schedules 1, 2 and 3 respectively.
- 3.** The bonuses for schedule 3 were cut in half from SS 5880.
- 4.** Diamond grinding is required to remove localized roughness.
- 5.** Areas may be designated as “leave out” sections when shown on the plans.
- 6.** Surface test Type B is required on bridges and approach slabs overlaid as part of the project.
- 7.** Verification testing wording was changed to allow the Engineer more latitude in resolving test differences.